

Abstract

A tomography scanner system including a gantry having an outer, non-rotating support ring, and an inner rotatable component ring supported for rotation within the support ring about a rotation axis of the gantry. An x-ray source and an x-ray detector array are secured to the rotatable component ring for rotation with the component ring, and an x-ray containment shield encloses the x-ray source and the x-ray detector array and is secured to the rotatable component ring for rotation with the component ring.